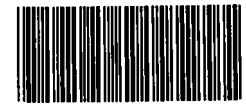


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STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES  
& ENVIRONMENTAL CONTROL  
DIVISION OF ENVIRONMENTAL CONTROL  
WATER RESOURCES SECTION  
EDWARD TATNALL BUILDING  
P.O. Box 1401  
DOVER, DELAWARE 19901



SEMS DocID 2330278

TELEPHONE: (302) 736-4761

September 10, 1981

Permit: SW-81/09 (Renewal of SW-80/12)  
Delaware Solid Waste Authority  
Northern Solid Waste Facility - I

Mr. N. C. Vasuki  
General Manager  
Delaware Solid Waste Authority  
P. O. Box 455  
Dover, Delaware 19901

Dear Mr. Vasuki:

Pursuant to Sections 6.01 through 6.05 of the Delaware Solid Waste Disposal Regulation, the Department hereby issues this permit to operate the Northern Solid Waste Facility - I at Pigeon Point, near Wilmington, Delaware, in accordance with your request for renewal dated July 29, 1981.

This permit is subject to the following conditions:

1. The operation shall be conducted in accordance with the information submitted in the permit application and applicable provisions of the Delaware Solid Waste Disposal Regulation.
2. No refuse shall be deposited on a wetlands area.
3. No hazardous wastes shall be disposed of in this landfill.
4. Finalized plans for the southwest corner leachate collection system shall be submitted within ten (10) days from the date of this permit. If the Department considers these plans to be adequate, the permit will be amended to include provisions for the construction of the new leachate collection system. However, if these plans and further modifications are found to be inadequate, this permit is subject to revocation.
5. Suitable cover material, at least six (6) inches in depth, shall be placed over all wastes at the end of each working day. The cover layer shall be maintained and all cracked, eroded and uneven areas shall be promptly repaired. Quarterly, a report shall be submitted describing compliance with daily cover requirements.

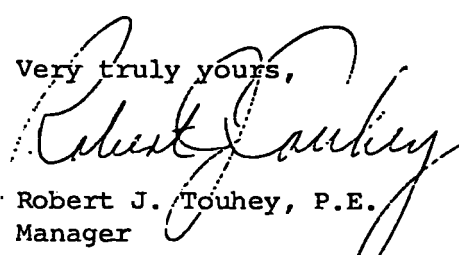
6. Quarterly, you shall submit reports on the quantity of waste received at the landfill.
7. Periodically, you shall conduct a general clean-up of the landfill area including blowing paper, litter, and other unaesthetic wastes related to the landfilling operation.
8. Quarterly, the permittee shall measure the depth-to-water in monitor wells 1, 1A, 24, 28, 28A, 29, 29A, 31, 31A, 32, 32A, 37, 37A, 39, 41, 41A, 42 and 42A. The groundwater elevations shall be calculated and the results submitted to the Department prior to the succeeding quarter's sampling.
9. Quarterly, the permittee shall sample monitor wells 1, 1A, 28, 29, 29A, 31, 31A, 37, 37A, 41 and 41A. Samples shall be tested for pH, TDS, TOC, TKN, NO<sub>3</sub>-N, Fe, Cl and Alkalinity. The results shall be submitted to the Department prior to the succeeding quarter's sampling.
10.
  - a) Annually, the permittee shall sample wells 1A, 28, 29, 31, 37A and 41A for Ba, Cr, Ag, As, Se, Pb, Cd and Hg.
  - b) Annually, the permittee shall sample wells 28, 29, 31, 37A and 41A for benzene, toluene, chlorobenzene, ethylbenzene, methylene chloride, trichloroethylene and tetrachloroethylene.

The results of (a) and (b) shall be submitted to the Department within thirty (30) days after the sampling.
11. Within sixty (60) days of the date of issuance of the permit, the permittee shall submit plans and a schedule for replacement of monitor wells 25, 26 and 27.
12. Within one hundred and twenty (120) days of the date of issuance of the permit, the permittee shall submit geological logs from previous borings, up to 100 feet in depth, at the southwest area of the landfill. The Department shall review these logs and if deemed necessary, the permittee shall be required to submit plans for the construction of additional deep boring or wells and subsequently install these borings or wells in accordance with the Department's Water Supply Regulations.
13. Closure of the Northern Solid Waste Facility - I shall be in compliance with Section 6.03 (h) of the Delaware Solid Waste Disposal Regulation. Prior to closure, you shall submit closure plans to the Department and obtain approval of the plan. The closure plans shall include, as a minimum, provisions for a two (2) foot final cover with vegetation on the completed landfill, the maintenance of a groundwater monitoring program for a minimum of five (5) years from the date of closure, and the identification of the parties to be responsible for the closure and for the clean-up of any environmental problems created by the landfill.

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14. Representatives of the Department may, at any reasonable time, inspect this facility.
15. This permit shall expire in one (1) year from the date of issue and is subject to renewal. Within ninety (90) days from the expiration date of the permit, the permittee shall notify the Department on plans for renewal.
16. A copy of this permit shall be available at the facility at all times.
17. This permit shall be revoked upon violation of any of the preceding conditions or provisions of the Delaware Solid Waste Disposal Regulation.

Very truly yours,

  
Robert J. Touhey, P.E.  
Manager

RJT:MRN:mas

cc: Mr. John E. Wilson, III  
Mr. Thomas P. Eichler  
~~Mr. Kenneth R. Weiss~~  
Ms. Manju R. Nair  
Ms. Lisa A. Hamilton  
Mr. James Duffield  
Mr. Albert Madora  
Mr. Stephen Hsu

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